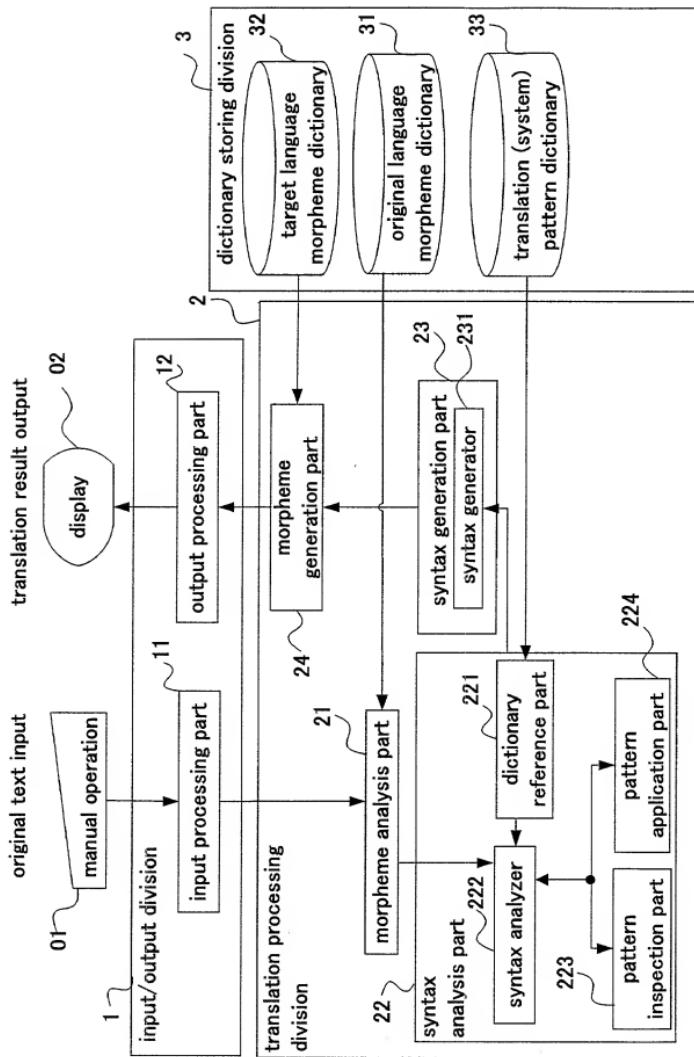
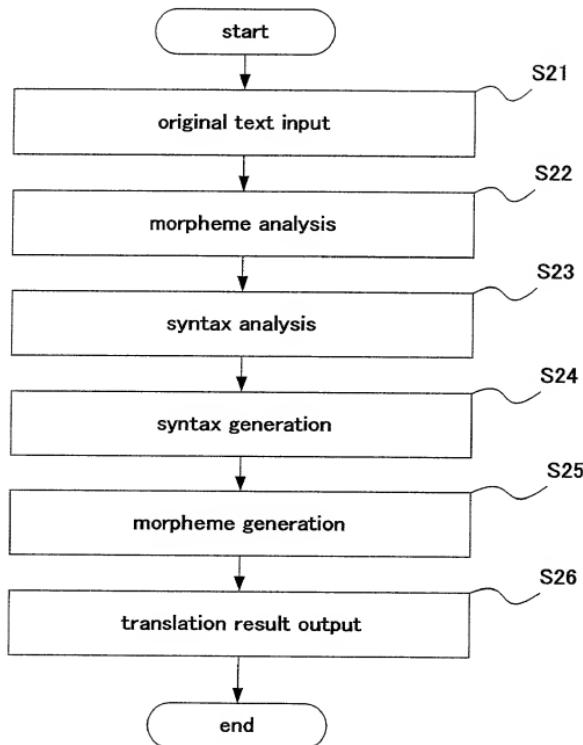


FIG. 1



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FIG.2



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FIG.3

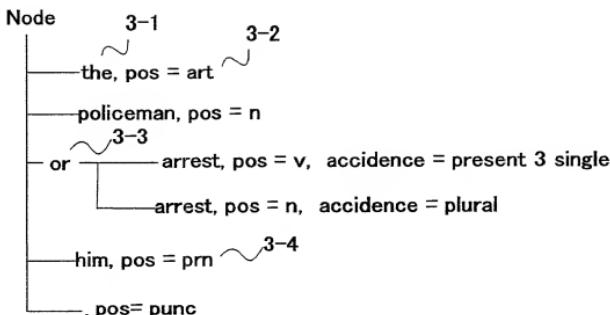


FIG.4

4-1	[en: VP arrest: pos = v [1: NP: meaning = person]]	4-1a	4-1b	[ja:VP [1:NP]wo taihosuru]
4-2	[en: VP arrest: pos = v [1: NP: meaning = person]]			[ja:VP [1:NP]wo sosisuru]
4-3	[en: N: meaning = person policeman : pos = n]			[ja:N keisatukan]
4-4	[en: NP: meaning = person him: pos =prn]			[ja:NP kare]
4-5	[en: Art the: pos = art]			[ja:Art]
4-6	[en: NP: meaning = [1][1: Art] [1: N: meaning = {1}]]			[ja:NP [1:N]]
4-7	[en: S[1: NP: case = subjective case: meaning = {meaning}]]	4-7a		[ja:S [1:NP]ga[2:VP]]
4-8	[2: VP:subjective case meaning = {meaning}]]			
	[en: N: meaning = state deterioration: pos = n]	4-7b		[ja:N akka]

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FIG.5

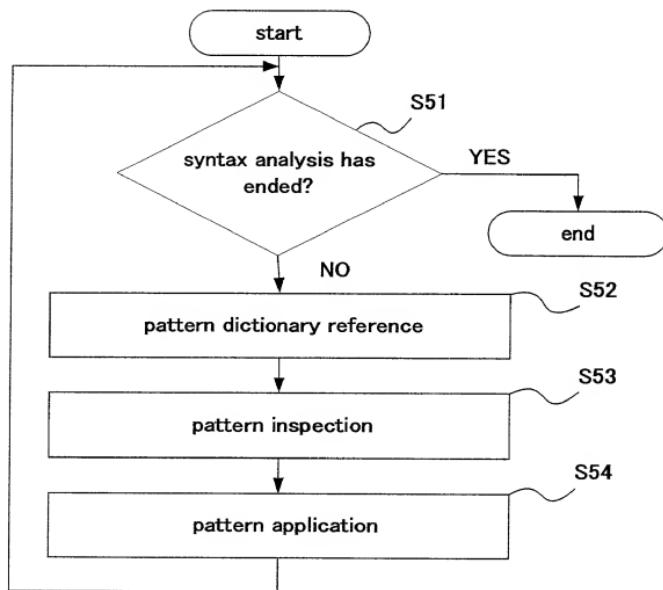


FIG.6

(a) VP

└ arrest; pos = v
NP: meaning = person

(b) VP

└ arrest; pos = v
NP: meaning = person

(C) [en: NP him: pos = prn: meaning = person]

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FIG.7

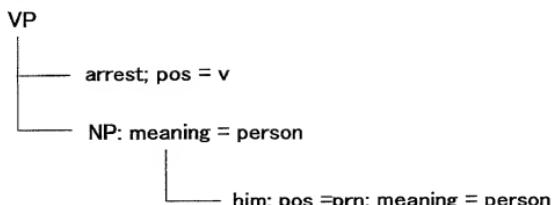


FIG.8

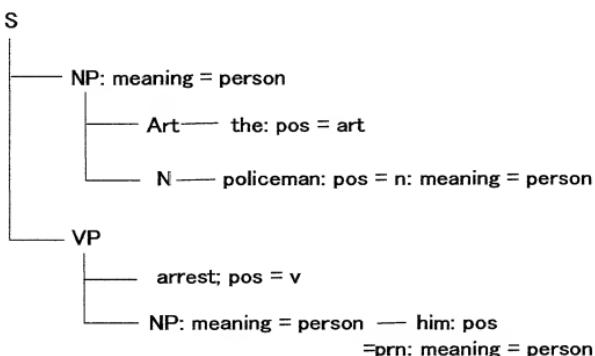


FIG.9

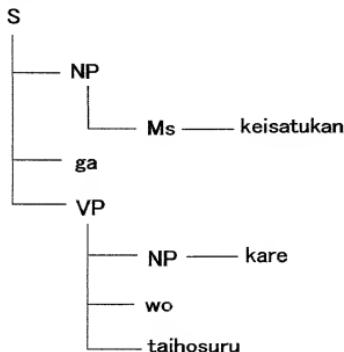


FIG.10

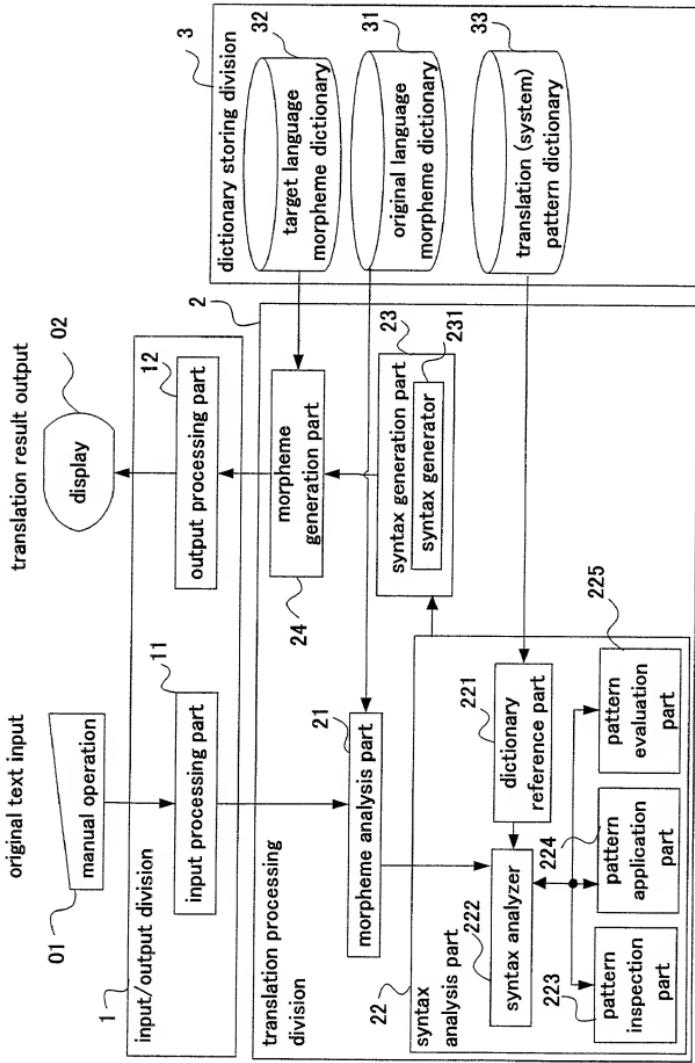
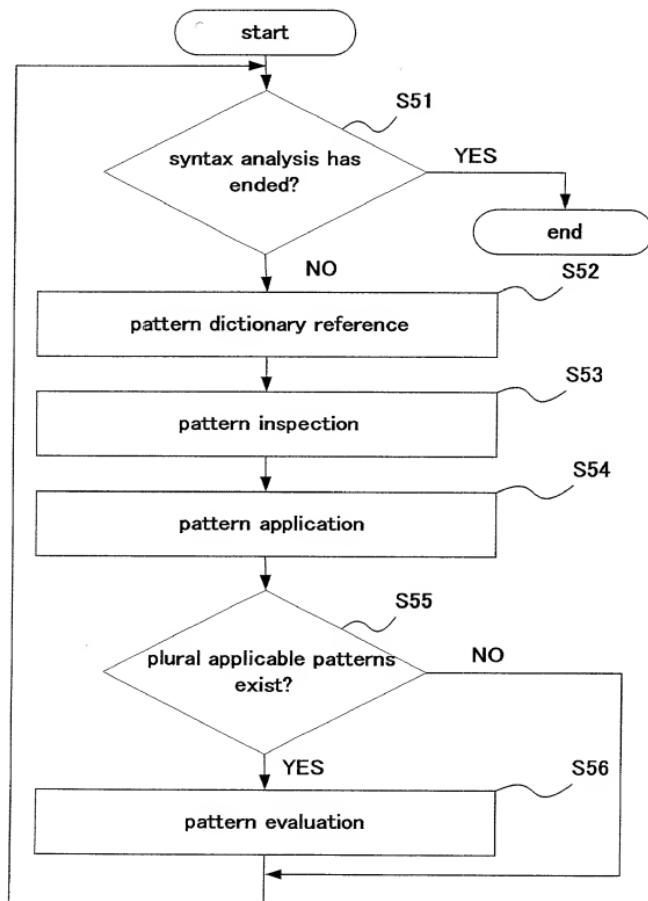


FIG.11



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FIG.12

12-1 [en: VP arrest: pos
= v [1: NP: meaning = person]] [ja:VP [1:NP wo taihosuru]

12-2 [en: VP arrest: pos
= v [1: NP:meaning! = person]] [ja:VP [1:NP] wo sosisuru]

12-3 [en: VP: arrest: pos
= v a attention] [ja:VP kyoumi wo hiku]

12-4 [en: NP: meaning = thing
it: pos =prn] [ja:NP it]

12-5 [en: Art the: pos = art] [ja:Art]

12-6 [en: N: meaning = st
ate deterioration: pos = n] [ja:Ms akka]

12-7 [en: N present pos = n] [ja:Ms genzai]

12-8 [en: A present pos = adj] [ja:Ks genzai no]

12-9 ! [en: NP: meaning = {1}[1: Art][2: A]
[3: N: meaning = {1}]] [ja:NP [2:A][3:N]]

12-10 [en: NP: meaning = {1}[1: Art][2: N]
[3: N: meaning = {1}]] [ja:NP [2:A][3:N]]

12-11 [en: S[1: NP: meaning = {meaning}]
[2: VP: subjective meaning = {meaning}]] [ja:S [1:NP]ga[2:VP]]

12-12 * [en: S[1: NP][2: VP]] [ja:S [1:NP]ga[2:VP]]

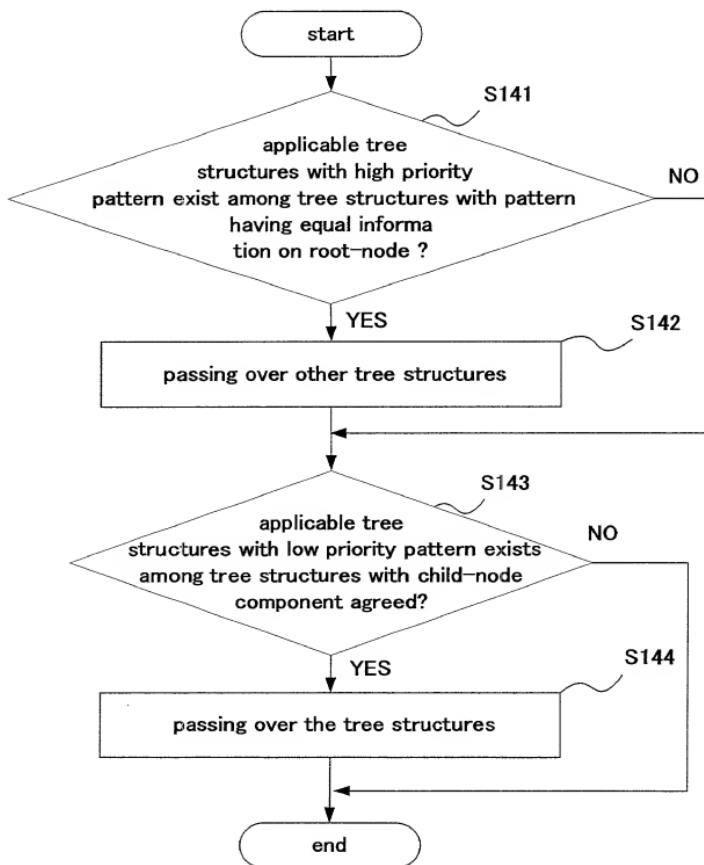
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FIG.13

!
[]
*

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FIG.14



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FIG.15

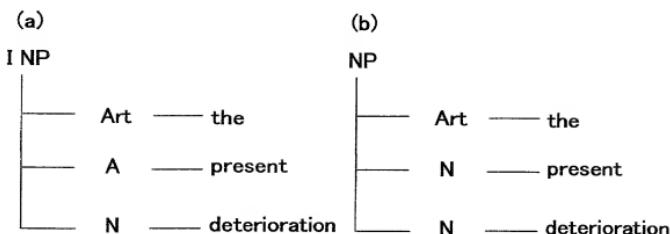


FIG.16

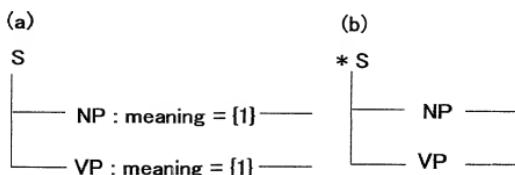
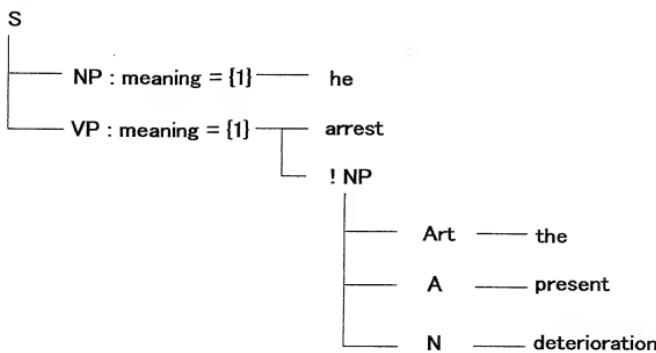
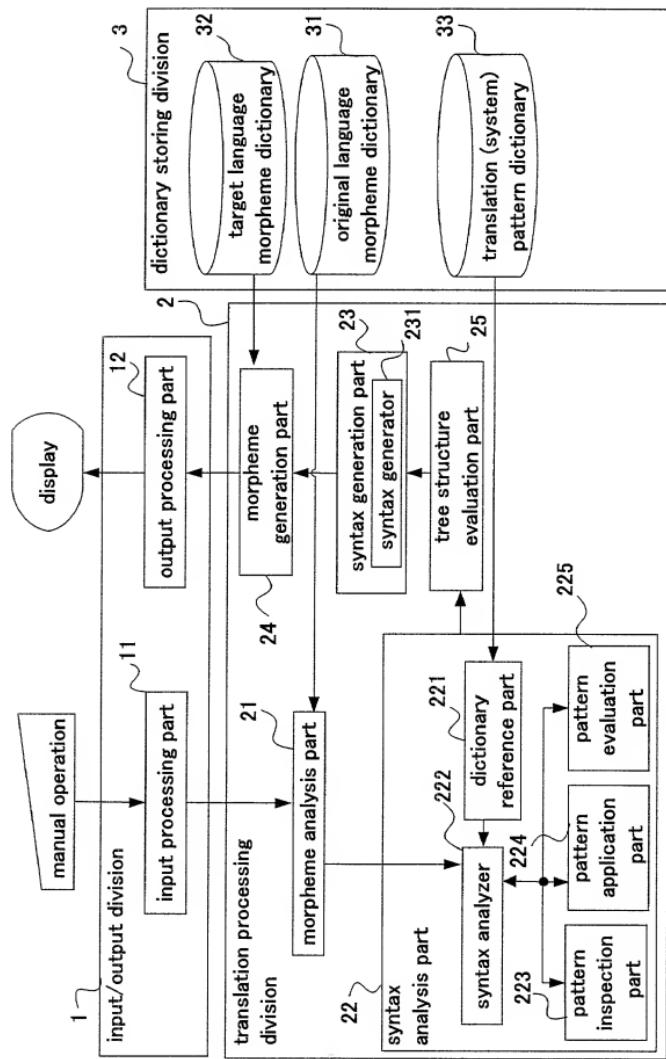


FIG.17



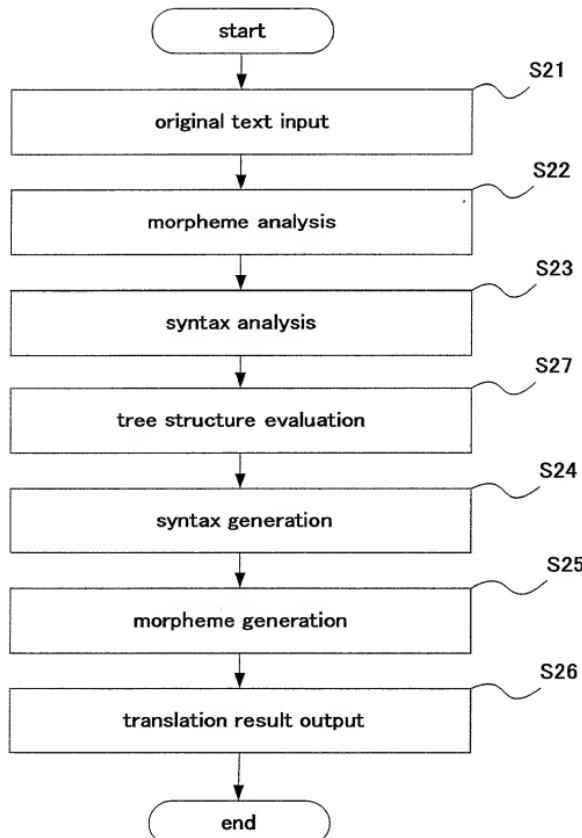
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FIG.18



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FIG.19



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FIG.20

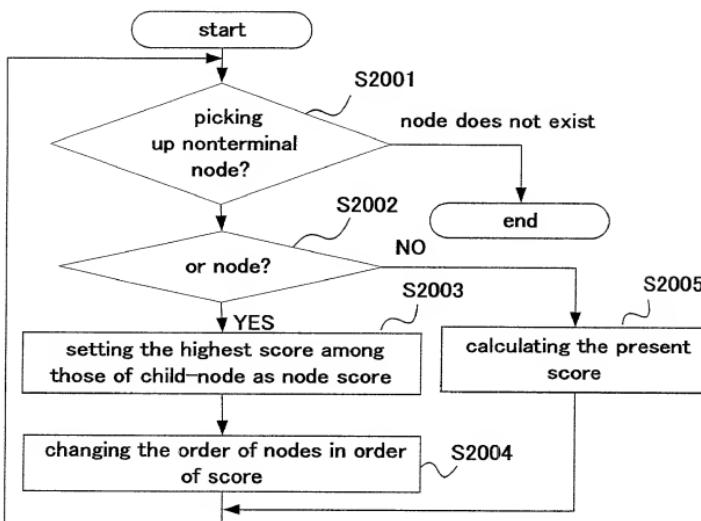
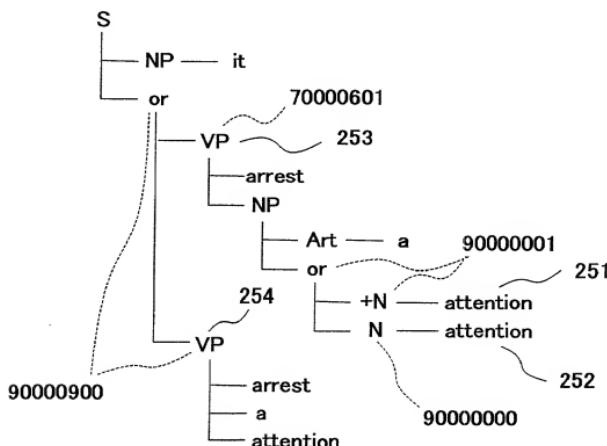


FIG.21



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FIG.22

221	222	223
261a		
224 user	child	100000000
225 terminal	total	100000000 - 10000000N
226 !	child	10000000
227 *	total	100000 - 100000N
228 node	total	1000 - 100N
229 !	total	10N
230 +	total	1N

FIG.23

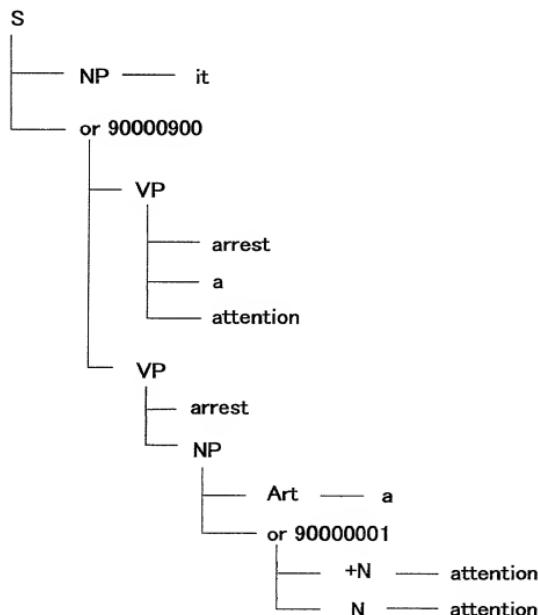


FIG.24

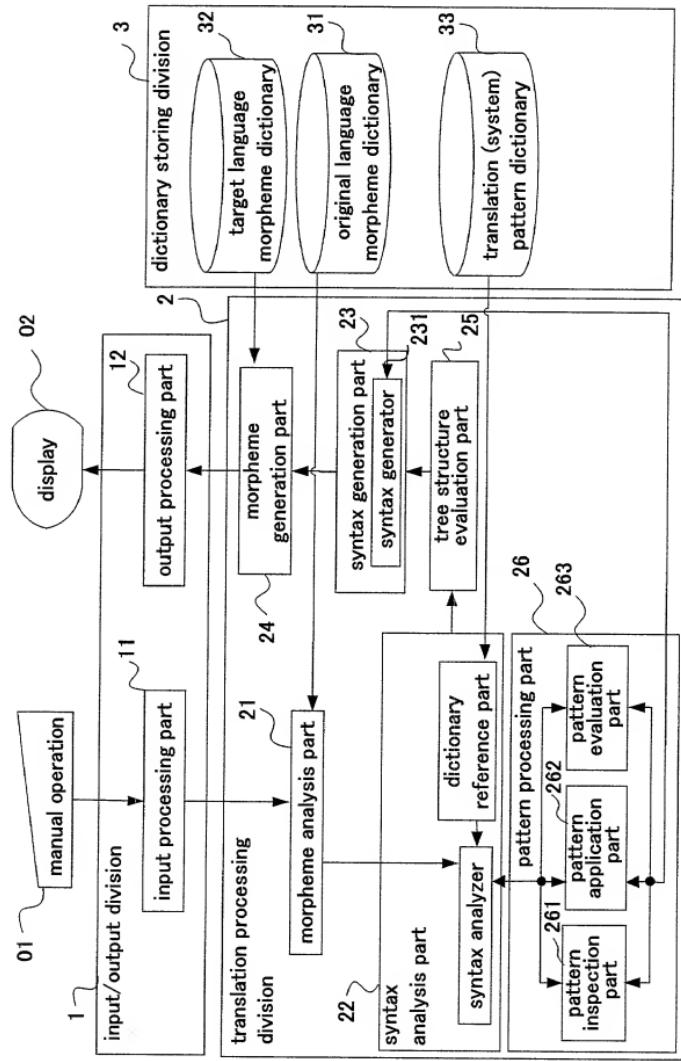
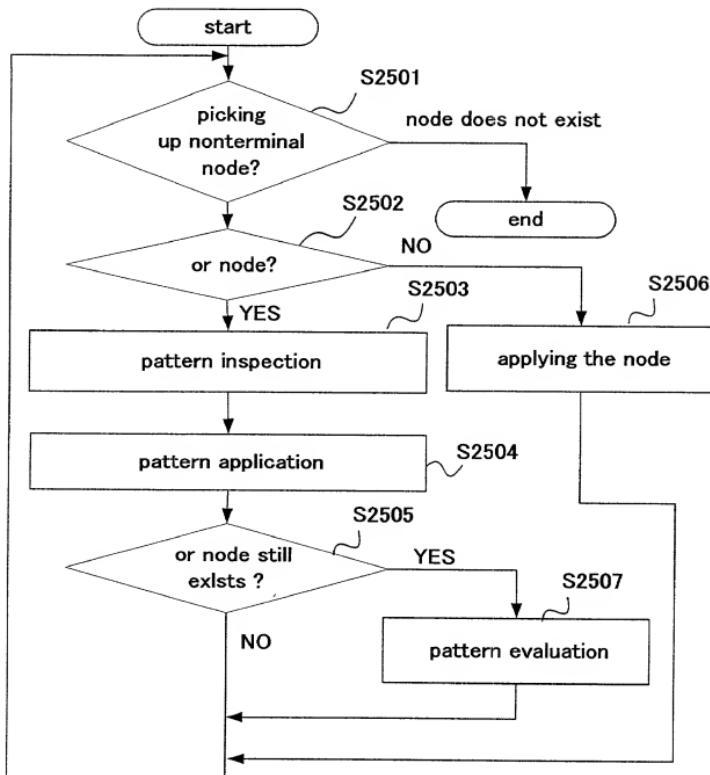


FIG.25



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FIG.26

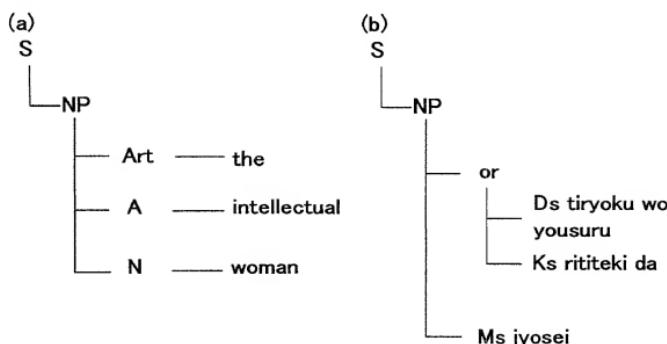


FIG.27

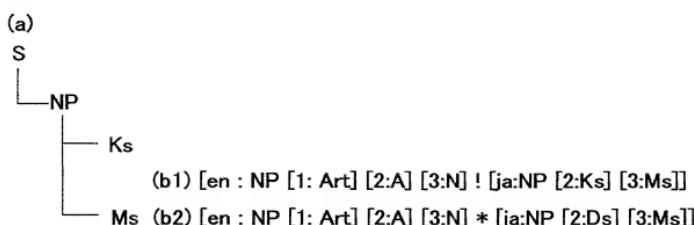


FIG.28

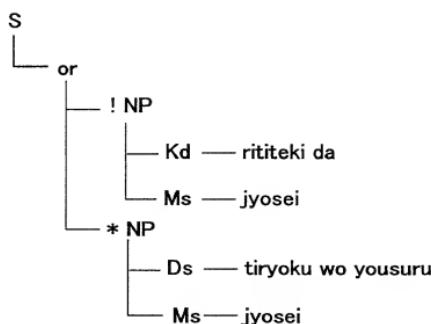
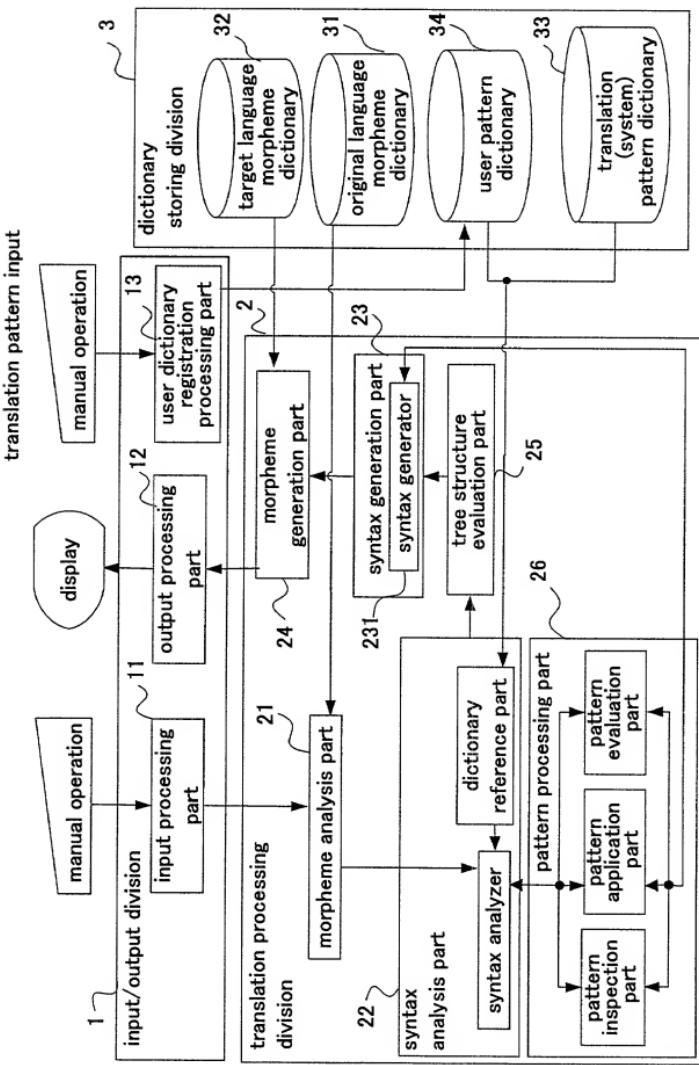
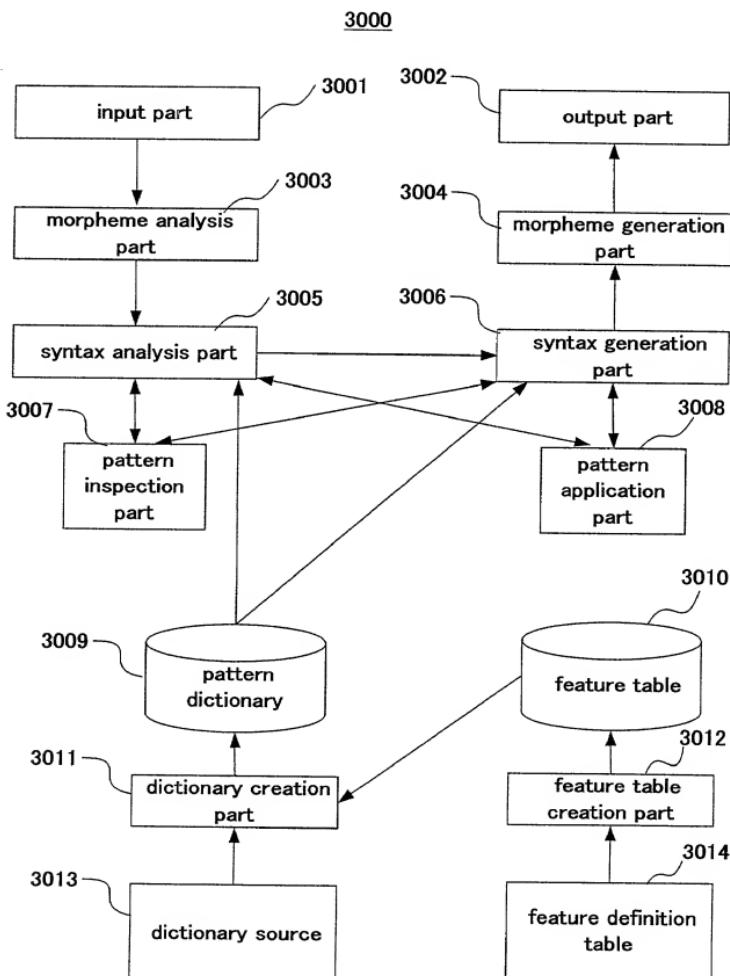


FIG.29



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FIG.30



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FIG.31

```
[language name 1: left side 1 right side list 1]
[language name 2: left side 2 right side list 2]
[language name 3: left side 3 right side list 3]
:
[language name n: left side n right side list n] ;
```

FIG.32

```
[ en : S [1 :NP] [2 : VP ] ]
[ ja : S [1 :NP] ha [2 : VP ] ] ;
```

FIG.33

```
[ en : S:type = normal [1 :NP:num = sg:pos = n] [2 : VP:*:num = sg ] ]
[ ja : S [1 :NP] ha [2 : VP ] ] ;
```

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FIG.34

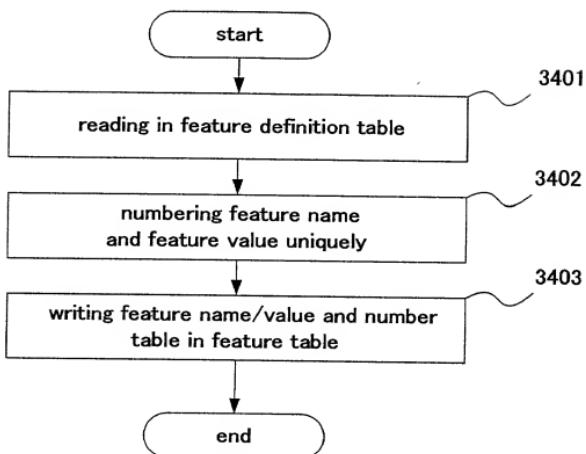


FIG.35

```
/* standard form */
string          baseForm ;
/* pos */
word           pos = { n   adj  } ;
/* number */
word           num = { sg   pl  } ;
```

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FIG.36

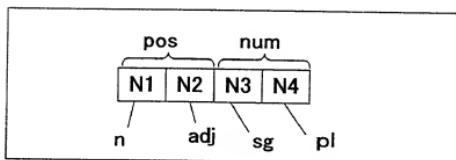


FIG.37

```
feature name = feature value
feature name != feature value
feature name = feature value 1 | feature value 2 | ... | feature value x
feature name != feature value 1 | feature value 2 | ... | feature value x
```

FIG.38

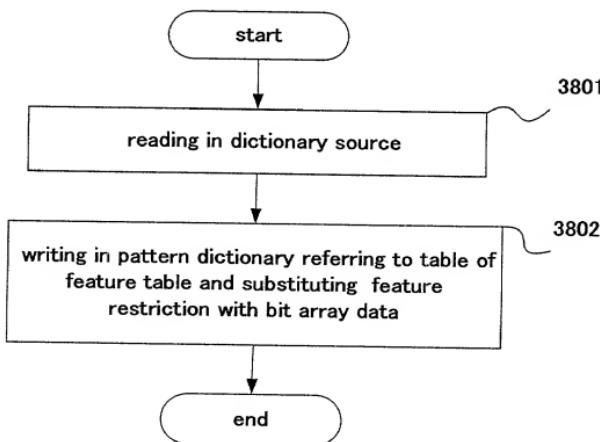
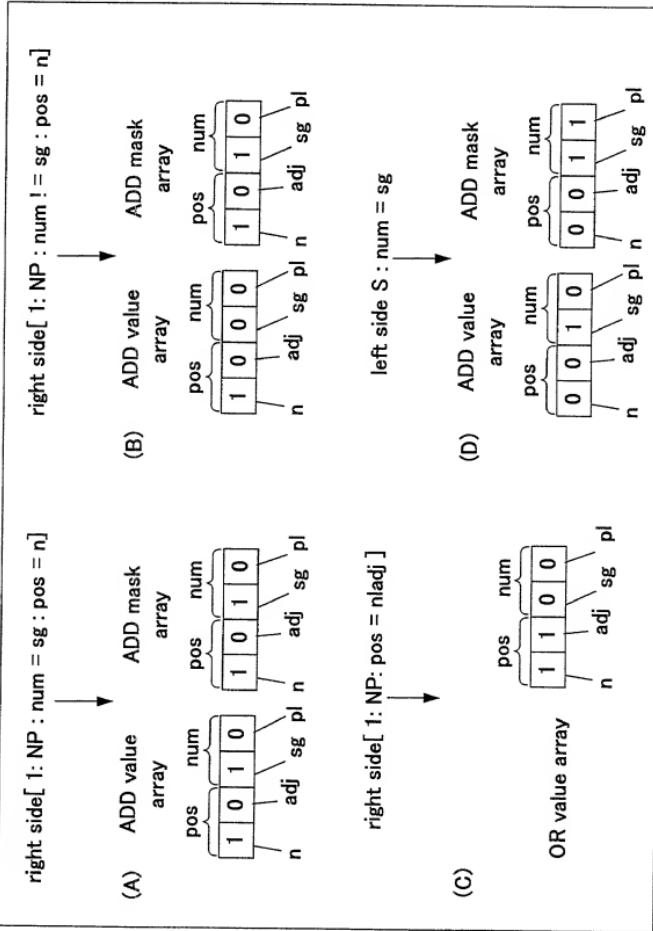
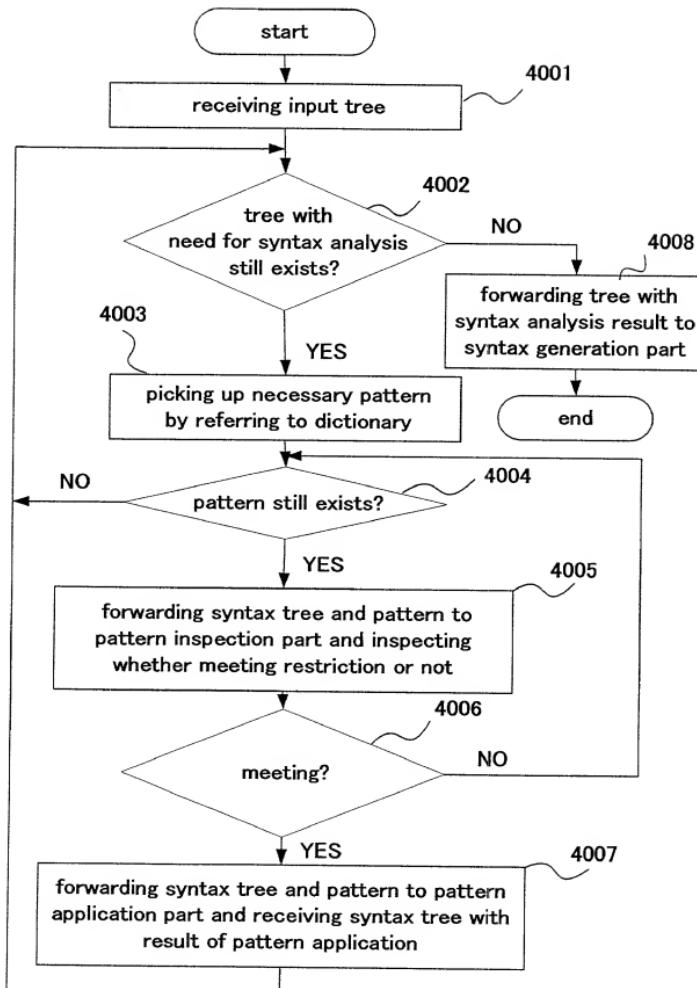


FIG.39



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FIG.40



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FIG.41

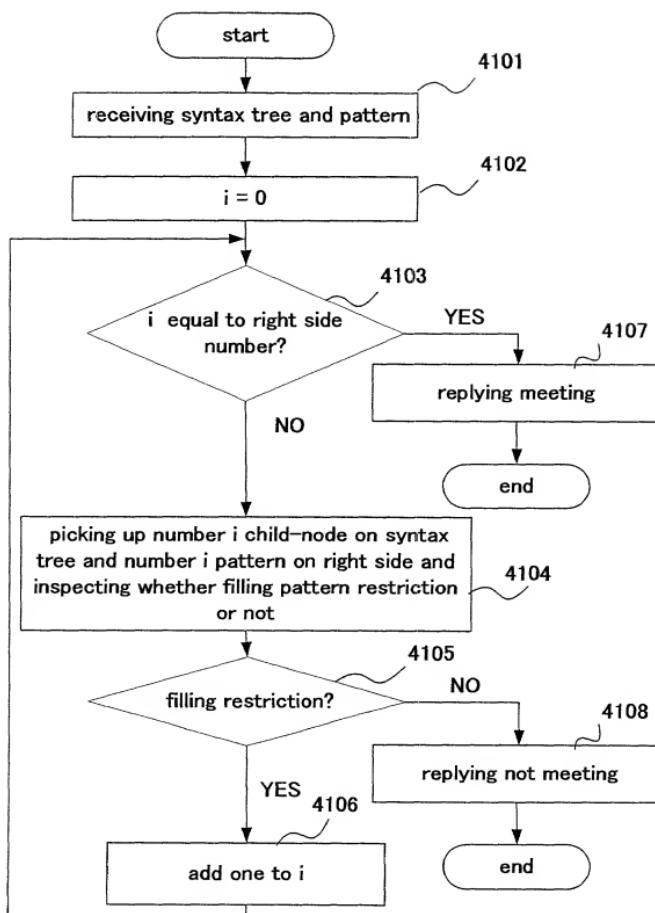


FIG.42

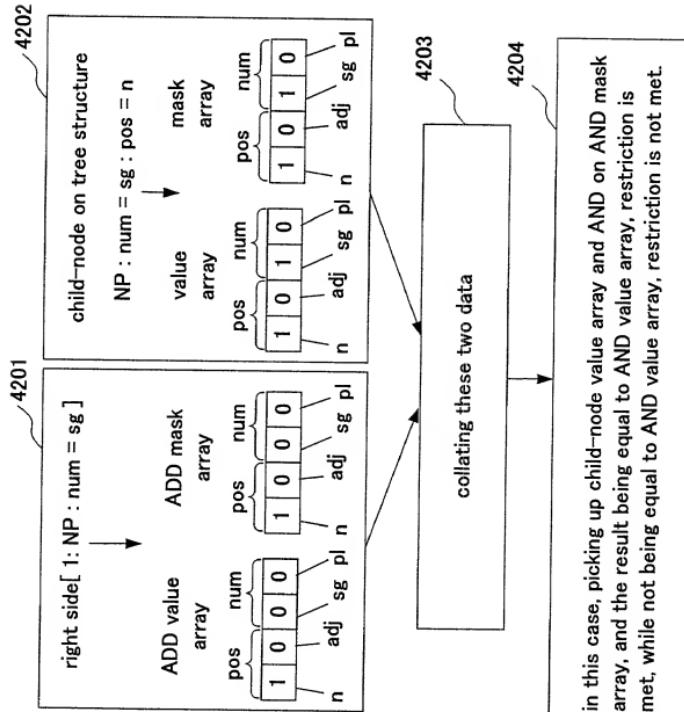


FIG.43

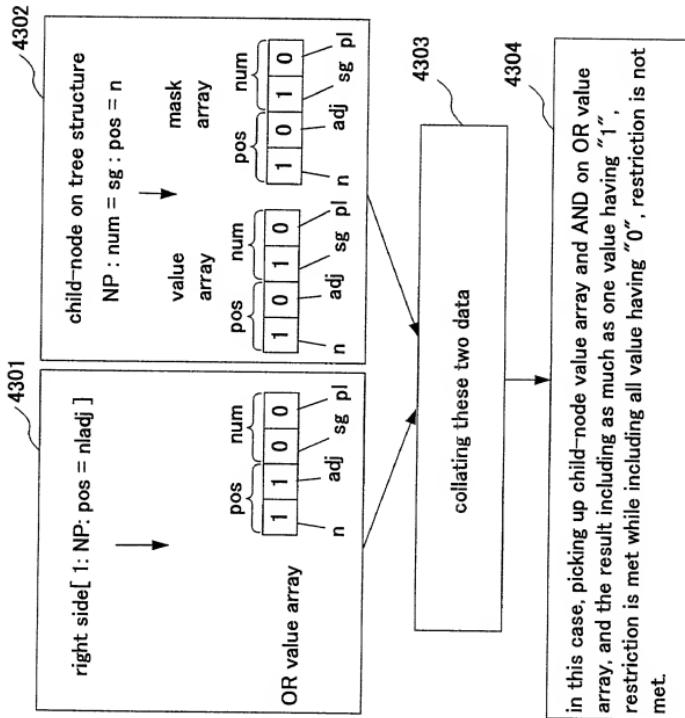
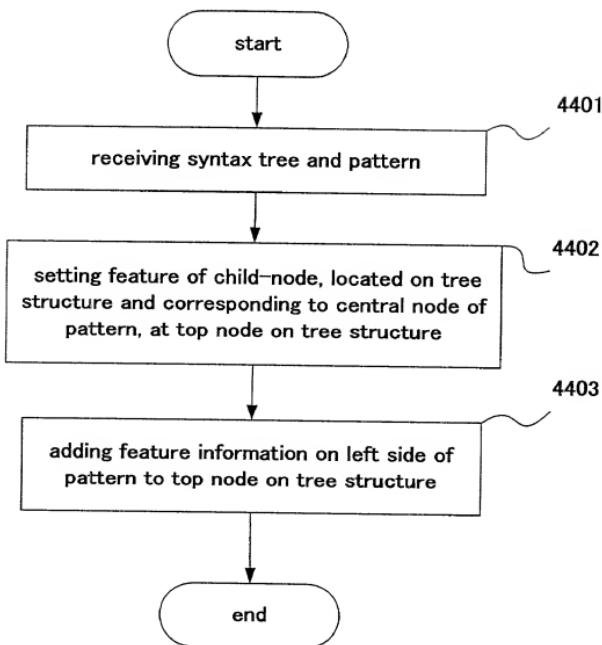


FIG. 44



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FIG.45

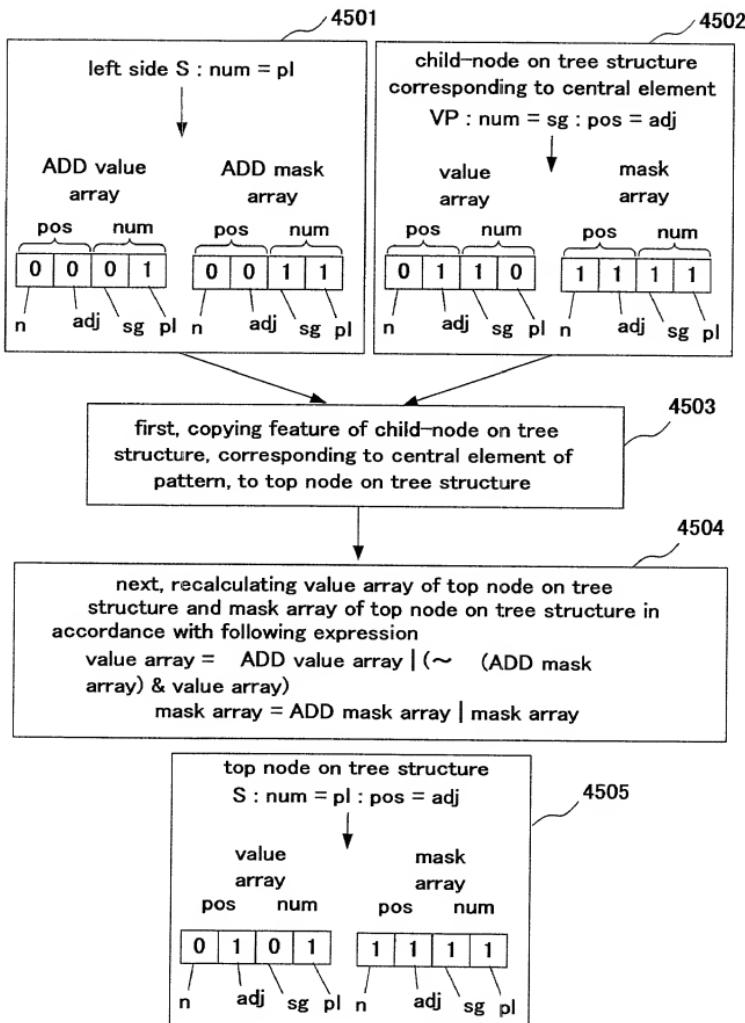


FIG.46

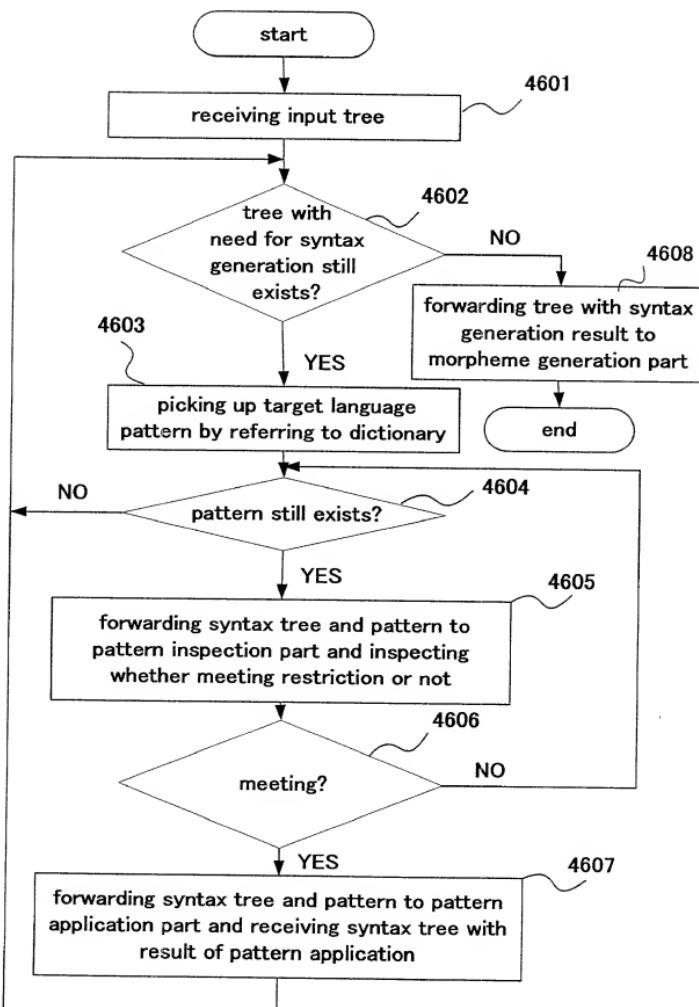
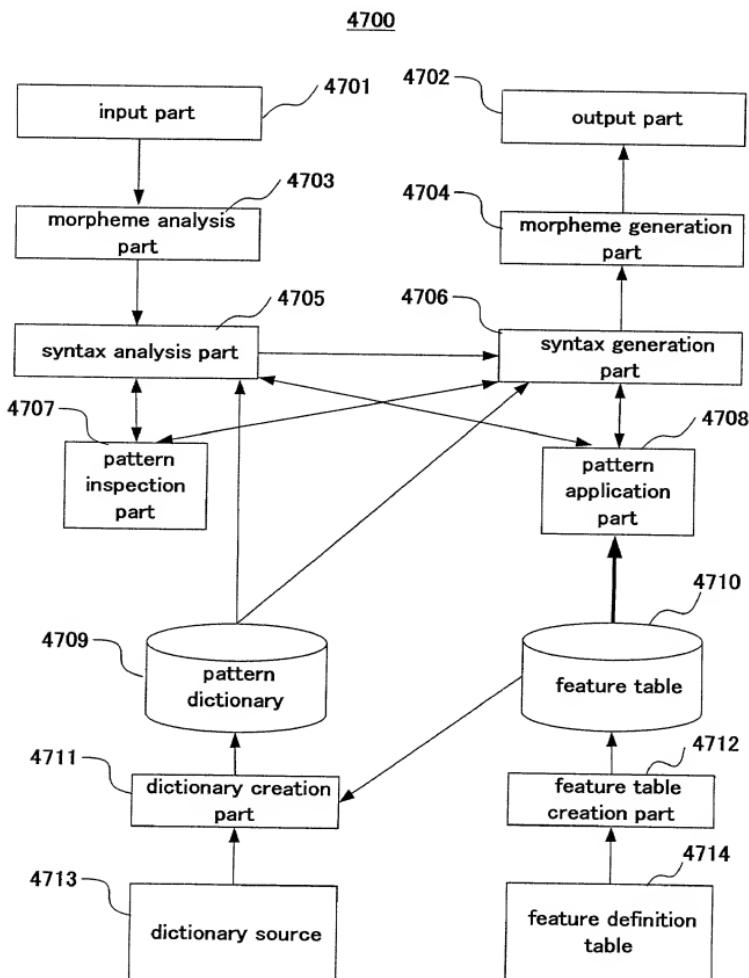


FIG.47

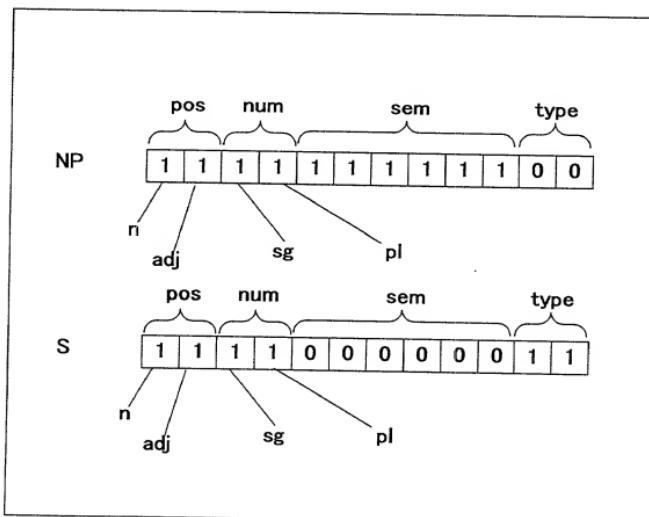


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FIG.48

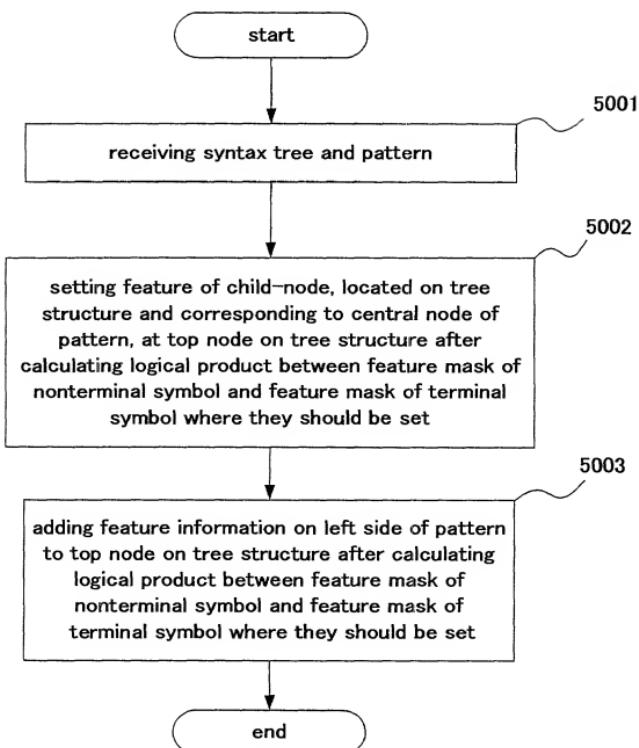
```
category * = { baseForm surfaceForm pos } ;
category ""= { inf } ;
category NP = { num sem } ;
category VP = { num sem } ;
category S = { num type } ;
```

FIG.49



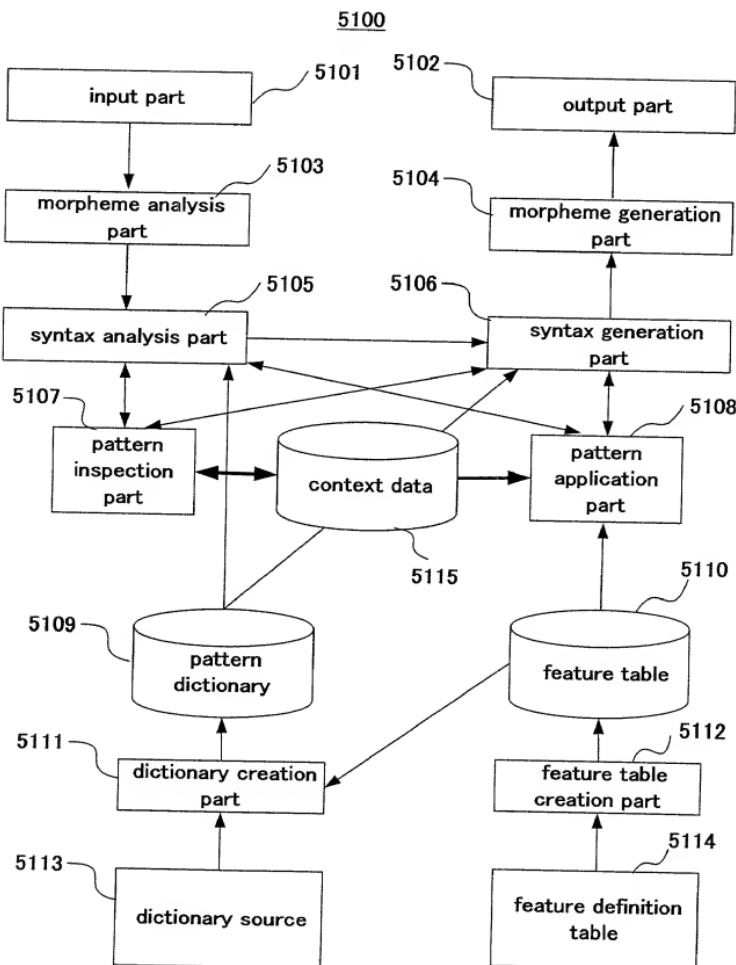
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FIG.50



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FIG.51



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FIG.52

```
[ en :S:type = normal [1 :NP:num = [NUM]:pos = n] [2 : VP:*:num = [NUM]]]
[ ja :S           [1 :P] ha [2 : VP] ];
```

FIG.53

```
/* number */
word num = sNum = oNum = {sg pl};
```

FIG.54

right side [1 :NP:num = [NUM]]

